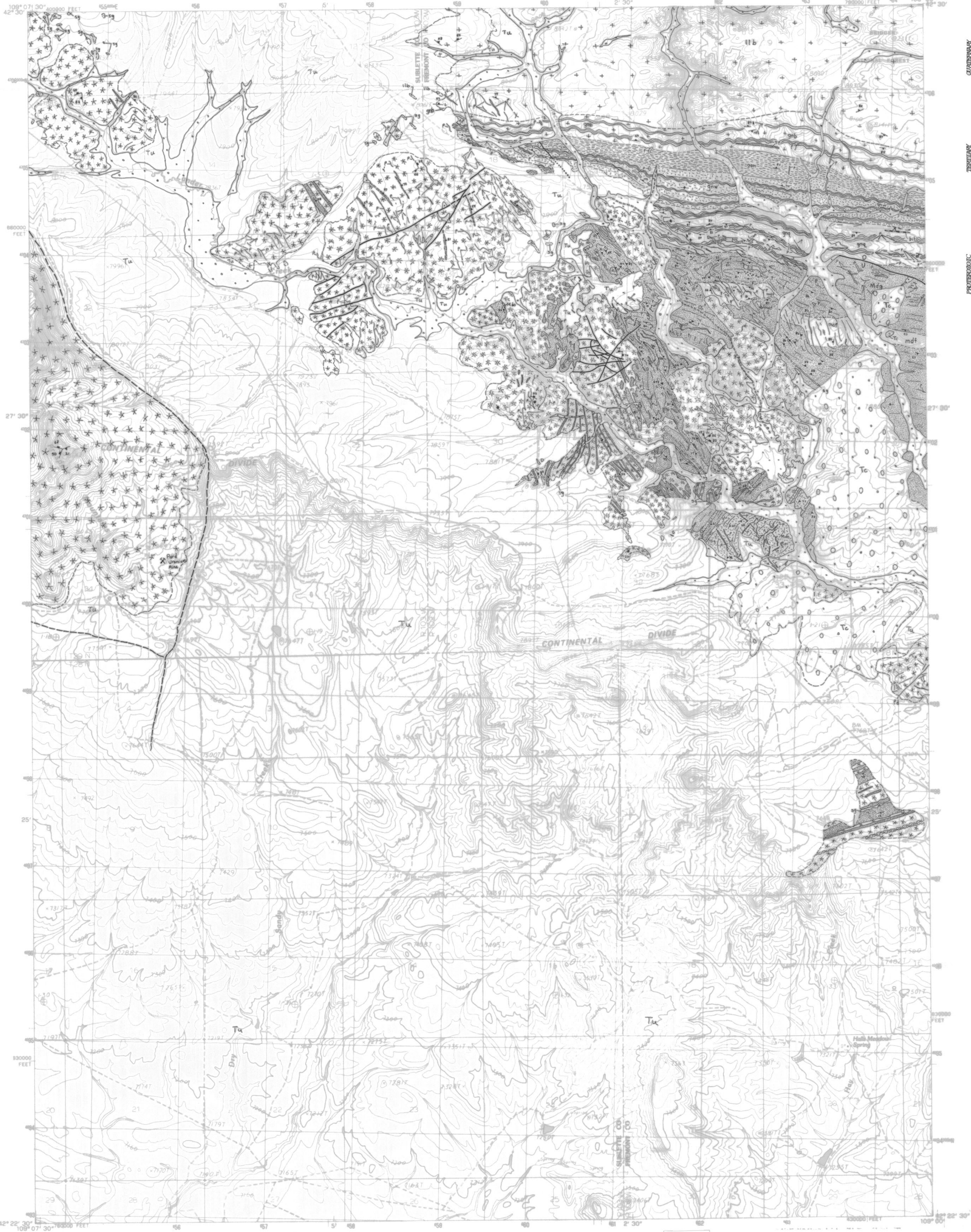


RECONNAISSANCE GEOLOGIC MAP OF THE HALLS MEADOW SPRING QUADRANGLE, FREMONT AND SUBLETTE COUNTIES, WYOMING

by
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1988

EXPLANATION



SEDIMENTS AND SEDIMENTARY ROCKS

ALLUVIUM
Unconsolidated stream silt, sand, and gravel.

BOULDER CONGLOMERATE
Unnamed conglomerate with glauk granitic and gneissic boulders in a sandy matrix. Oligocene(?) to Upper Middle Eocene(?)

GLASTIC SEDIMENTARY ROCKS UNDIVIDED
Thick sequences of coarse- to fine-grained clastic sedimentary rocks. Includes siltstones and sandstones. Oligocene to Upper Middle Eocene.

IGNEOUS INTRUSIVE ROCKS

BASALT DIKE
Unmetamorphosed black basaltic dike of Middle to Early Proterozoic age. Rock is fine grained to aphanitic.

GRANITE PEGMATITE
Narrow bull quartz-feldspar pegmatites.

GRANITE
Late Archean biotite-hornblende granite and biotite granite of Late Archean age. Range from porphyritic to equigranular medium-grained rocks.

LOUIS LAKE GRANODIORITE
Late Archean biotite-hornblende coarse-grained, equigranular, gray, granodiorite. Locally foliated.

METASEDIMENTARY AND METAIGNEOUS ROCKS

MINERS DELIGHT FORMATION
mdg, metagreywacke; **fd**, feldspathic and micaceous metagreywacke and mica schist.
mdo, orthoamphibolite; **plg**, plagioclase-hornblende amphibolite and amphibolite schist.
mdf, amphibolite gneiss; **int**, interlayered amphibolite-plagioclase gneiss and amphibolite schist.

ONEISS COMPLEX
gng, gray gneiss; **gms**, gray quartz-feldspathic gneiss with interlayers of white augen gneiss and metagreywacke; **blf**, local banded magnetite quartz iron formation.
gms, white gneiss; **gms**, predominantly white augen gneiss.
gmb, amphibolite.
gmb, border gneiss; **int**, interlayered quartz-feldspathic gneiss, augen gneiss, amphibolite, and Louis Lake granodiorite; **sp**, local metaperidotite.

MAP SYMBOLS

CONTACT
Dashed where approximately located.

FAULTS
Fault. Dashed where approximately located.

MINOR FOLDS
Direction of plunge of minor fold axis.

FOLIATION TRENDS
Inclined Vertical

STRIKE AND DIP OF JOINTS
Inclined Vertical

BEDDING SYMBOLS
Inclined
Strike and plunge of stratified beds
Graded beds
Conglomerate beds in metasedimentary rocks

MINES AND PROSPECTS
Prospect pit

MISCELLANEOUS
Unimproved road not shown on U.S. Geological Survey Base

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